

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"538997".ap.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:28
L2	2400	514/326.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L3	1070	546/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L4	733	546/184.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L5	0	514/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L6	1070	546/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:30
L7	733	546/184.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:30
L8	844	514/315.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:31
L9	518	I2 and I3	US-PGPUB; USPAT	OR	ON	2006/12/13 14:31
L10	518	I9 and I6	US-PGPUB; USPAT	OR	ON	2006/12/13 14:32
L11	3	I9 and I4	US-PGPUB; USPAT	OR	ON	2006/12/13 14:32

10/538, 997A Yong Chu 12/13/2006

\$%^STN;HighlightOn=;HighlightOff=;

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 5 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes  
NEWS 6 SEP 11 CA/CAplus enhanced with more pre-1907 records  
NEWS 7 SEP 21 CA/CAplus fields enhanced with simultaneous left and right truncation  
NEWS 8 SEP 25 CA(SM)/CAplus(SM) display of CA Lexicon enhanced  
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates  
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine  
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new classification scheme  
NEWS 12 OCT 19 LOGOFF HOLD duration extended to 120 minutes  
NEWS 13 OCT 19 E-mail format enhanced  
NEWS 14 OCT 23 Option to turn off MARPAT highlighting enhancements available  
NEWS 15 OCT 23 CAS Registry Number crossover limit increased to 300,000 in multiple databases  
NEWS 16 OCT 23 The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded  
NEWS 17 OCT 30 CHEMLIST enhanced with new search and display field  
NEWS 18 NOV 03 JAPIO enhanced with IPC 8 features and functionality  
NEWS 19 NOV 10 CA/CAplus F-Term thesaurus enhanced  
NEWS 20 NOV 10 STN Express with Discover! free maintenance release Version 8.01c now available  
NEWS 21 NOV 13 CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role  
NEWS 22 NOV 20 CAS Registry Number crossover limit increased to 300,000 in additional databases  
NEWS 23 NOV 20 CA/CAplus to MARPAT accession number crossover limit increased to 50,000  
NEWS 24 NOV 20 CA/CAplus patent kind codes will be updated  
NEWS 25 DEC 01 CAS REGISTRY updated with new ambiguity codes  
NEWS 26 DEC 11 CAS REGISTRY chemical nomenclature enhanced  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 07:46:34 ON 13 DEC 2006

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STRUCTURE FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1  
DICTIONARY FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

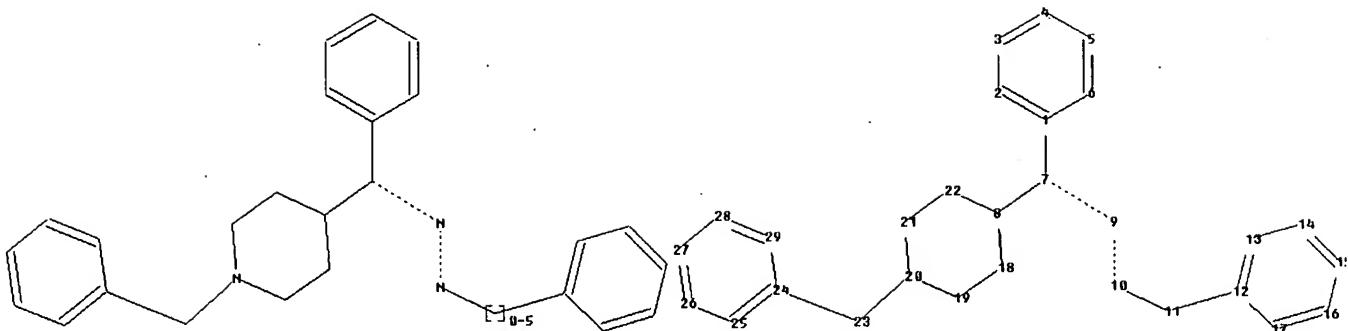
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> Uploading C:\Documents and Settings\ychu\Desktop\Case\10538997\10538997A.str



chain nodes :

7 9 10 11 23

ring nodes :

1 2 3 4 5 6 8 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27  
28 29

chain bonds :

1-7 7-8 7-9 9-10 10-11 11-12 20-23 23-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-18 8-22 12-13 12-17 13-14 14-15 15-16 16-17  
18-19 19-20 20-21 21-22 24-25 24-29 25-26 26-27 27-28 28-29

exact/norm bonds :

7-9 8-18 8-22 9-10 10-11 18-19 19-20 20-21 20-23 21-22

exact bonds :

1-7 7-8 11-12 23-24

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 24-25 24-  
29  
25-26 26-27 27-28 28-29

Match level :

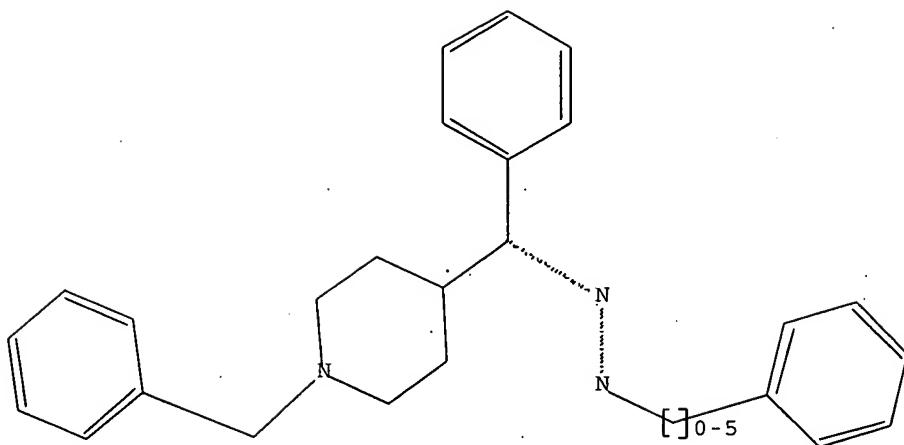
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20:Atom 21:Atom  
22:Atom 23:CLASS 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 07:47:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12 TO ITERATE

100.0% PROCESSED 12 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 33 TO 447
PROJECTED ANSWERS: 7 TO 298
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L2 7 SEA SSS SAM L1

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FULL SCREEN SEARCH COMPLETED - 146 TO ITERATE

100.0% PROCESSED 146 ITERATIONS 65 ANSWERS
SEARCH TIME: 00.00.01
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L3 65 SEA SSS FUL L1

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 13 DEC 2006
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FILE COVERS 1907 - 13 Dec 2006 VOL 145 ISS 25  
FILE LAST UPDATED: 12 Dec 2006 (20061212/ED)

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<http://www.cas.org/infopolicy.html>

=> s 13  
L4 2 L3

=> d ibib abs tot

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:589533 CAPLUS Full-text  
DOCUMENT NUMBER: 141:140464  
TITLE: N-(substituted arylmethyl)-4-(disubstituted methyl)piperidines and piperazines  
INVENTOR(S): Ding, Ping; Henrie, Robert N., II; Cohen, Daniel H.; Lyga, John W.; Rosen, David S.; Theodoridis, George; Zhang, Qun; Yeager, Walter H.; Donovan, Stephen F.; Zhang, Steven Shunxiang; Shulman, Inna; Yu, Seong Jae; Wnag, Gouzhi; Zhang, Y. Larry; Gopalsamy, Ariamala; Warkentin, Dennis L.; Rensner, Paul E.; Silverman, Ian R.; Cullen, Thomas G.  
PATENT ASSIGNEE(S): FMC Corporation, USA  
SOURCE: PCT Int. Appl., 105 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

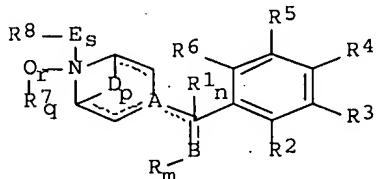
*Current application*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004060865	A2	20040722	WO 2003-US39046	20031208
WO 2004060865	A3	20041104		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003296373	A1	20040729	AU 2003-296373	20031208
EP 1572668	A2	20050914	EP 2003-814673	20031208
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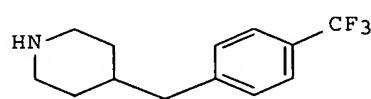
CN 1729178	A 20060201	CN 2003-80106750	20031208
CN 1744895	A 20060308	CN 2003-80109445	20031208
JP 2006511621	T2 20060406	JP 2005-508564	20031208
<del>US 2006166962</del>	<del>A1 20060727</del>	<del>US 2006-538997</del>	<del>20060208</del>
PRIORITY APPLN. INFO.:			
		US 2002-434718P	P 20021218
		US 2003-495059P	P 20030814
		WO 2003-US39046	W 20031208

OTHER SOURCE(S): MARPAT 141:140464

GI



I



II

AB Title compds. I [m, n, q, r, s = 0-1; p = 0-3; A = CH, N forming a 6-membered azine ring selected from piperidine or piperazine; R2-6 = H, halo, alkyl, etc.; B = O; with provisions] are prep'd. For instance, 4-bromobenzotrifluoride is transmetalated (THF, n-BuLi, -75.degree.) and treated with tert-Bu 4-[N-methoxy-N-methylcarbamoyl]piperidine-1-carboxylate to give tert-Bu 4-[(4-(trifluoromethyl)phenyl)carbonyl]piperidine-1-carboxylate. This intermediate is deprotected to give II. II gave 100% mortality and 100% growth inhibition of tobacco budworms.

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1984:85552 CAPLUS Full-text

DOCUMENT NUMBER: 100:85552

TITLE: Synthesis of aryl (alkyl) ketones of the piperidine series

AUTHOR(S): Kuroyan, R. A.; Markosyan, A. I.; Snkhchyan, G. M.; Vartanyan, S. A.

CORPORATE SOURCE: Inst. Tonkoi Org. Khim., Yerevan, USSR

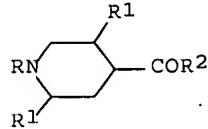
SOURCE: Armyanskii Khimicheskii Zhurnal (1983), 36(9), 614-17

CODEN: AYKZAN; ISSN: 0515-9628

DOCUMENT TYPE: Journal

LANGUAGE: Russian

GI



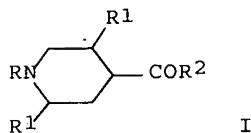
I

AB Alkyl (aryl) piperidinyl ketones I [R = PhCH2, R1 = H, R2 = C1-5 n-alkyl, (un)substituted Ph, PhCH2; R = R1 = Me, R2 = (un)substituted Ph, PhCH2] were

prep'd. from the corresponding piperidinecarboxaldehyde by oximation, dehydration to the nitrile and Grignard reaction with R<sub>2</sub>X (X = undefined halo).

=> d ibib abs hitstr 2

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1984185552 CAPLUS Full-text  
DOCUMENT NUMBER: 100:85552  
TITLE: Synthesis of aryl (alkyl) ketones of the piperidine series  
AUTHOR(S): Kuroyan, R. A.; Markosyan, A. I.; Snkhchyan, G. M.; Vartanyan, S. A.  
CORPORATE SOURCE: Inst. Tonkoi Org. Khim., Yerevan, USSR  
SOURCE: Armyanskii Khimicheskii Zhurnal (1983), 36(9), 614-17  
CODEN: AYKZAN; ISSN: 0515-9628  
DOCUMENT TYPE: Journal  
LANGUAGE: Russian  
GI



AB Alkyl (aryl) piperidinyl ketones I [R = PhCH<sub>2</sub>, R<sub>1</sub> = H, R<sub>2</sub> = C<sub>1-5</sub> n-alkyl, (un)substituted Ph, PhCH<sub>2</sub>; R = R<sub>1</sub> = Me, R<sub>2</sub> = (un)substituted Ph, PhCH<sub>2</sub>] were prep'd. from the corresponding piperidinecarboxaldehyde by oximation, dehydration to the nitrile and Grignard reaction with R<sub>2</sub>X (X = undefined halo).

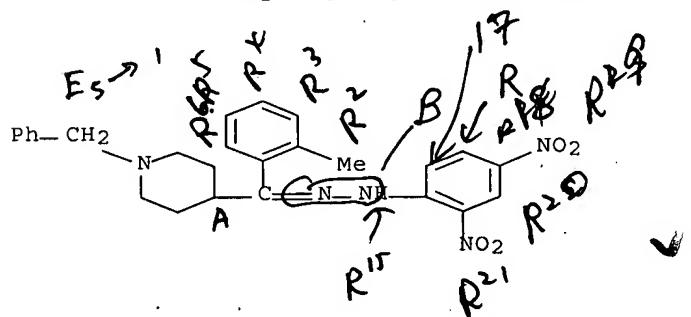
IT 88796-22-9P 88796-23-0P 88796-24-1P

88796-25-2P 88796-26-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

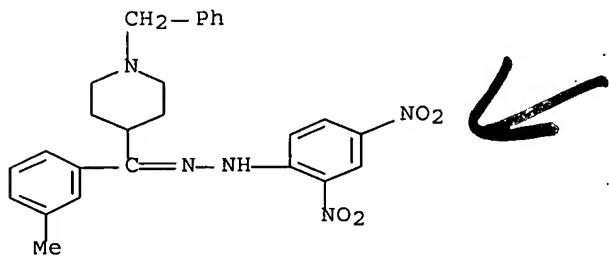
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CN Methanone, (2-methylphenyl)[1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



RN 88796-23-0 CAPLUS

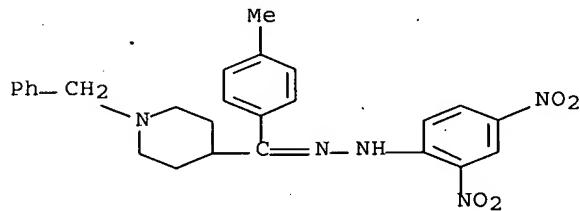
CN Methanone, (3-methylphenyl)[1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



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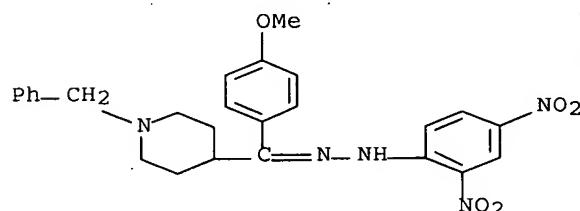
RN 88796-24-1 CAPLUS

CN Methanone, (4-methylphenyl)[1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



RN 88796-25-2 CAPLUS

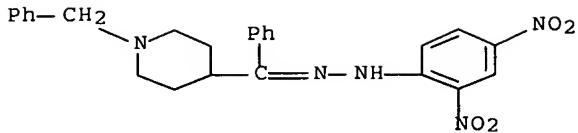
CN Methanone, (4-methoxyphenyl)[1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



↙

RN 88796-26-3 CAPLUS

CN Methanone, phenyl[1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



=> FIL STNGUIDE  
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST

11.51

178.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
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-2.25

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LAST RELOADED: Dec 8, 2006 (20061208/UP).

=>

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=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST

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179.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
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CA SUBSCRIBER PRICE

0.00

-2.25

STN INTERNATIONAL LOGOFF AT 07:53:39 ON 13 DEC 2006